

**THE IL-1 GENE CLUSTER AND
ASSOCIATED INFLAMMATORY POLYMORPHISMS AND HAPLOTYPES**

Abstract

5 The invention provides methods and compositions relating to identification and use
of genetic information from the IL-1 gene cluster - including the structure and organization
of novel IL-1-like genes found within the IL-1 locus as well as polymorphisms and
associated haplotypes within these genes. The invention thereby expands the repertoire of
useful genetic information available from the IL-1 locus - which contains the previously-
10 identified IL-1 α , IL-1 β and IL-1RN genes, for predicting IL-1 associated phenotypes (e.g.
increased or decreased risks of inflammatory disease) and for treating IL-1 haplotype
associated inflammatory phenotypes.

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